Y. WESSENDOR

```
         RAW SEQUENCE LISTING              DATE: 09/22/2000
         PATENT APPLICATION:  US/09/050,359A     TIME: 12:51:23

         Input Set : A:\FOWLK4B.txt
         Output Set: N:\CRF3\09222000\I050359A.raw

             SEQUENCE LISTING
    4 (1) GENERAL INFORMATION:
    6     (i) APPLICANT: FOWLKES, Dana M
    7                    KAY, Brian K
    8                    FRELINGER, Jeffrey A
    9                    HYDE-DERUYSCHER, Robin P
   11    (ii) TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING
   12                             COMPLEMENTARY COMBINATORIAL LIBRARIES
   14   (iii) NUMBER OF SEQUENCES: 178
   16    (iv) CORRESPONDENCE ADDRESS:
   17          (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
   18          (B) STREET: 624 Ninth Street N.W., Suite 300
   19          (C) CITY: Washington
   20          (D) STATE: D.C.
   21          (E) COUNTRY: U.S.A.
   22          (F) ZIP: 20001
   24     (v) COMPUTER READABLE FORM:
   25          (A) MEDIUM TYPE: Floppy disk
   26          (B) COMPUTER: IBM PC compatible
   27          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
   28          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
   30    (vi) CURRENT APPLICATION DATA:
C--> 31         (A) APPLICATION NUMBER: US/09/050,359A
C--> 32         (B) FILING DATE: 31-Mar-1998
   33          (C) CLASSIFICATION:
   39   (vii) PRIOR APPLICATION DATA:
   36          (A) APPLICATION NUMBER: PCT/US97/19638
   37          (B) FILING DATE: 31-OCT-1997
   40          (A) APPLICATION NUMBER: US 08/740,671
   41          (B) FILING DATE: 31-OCT-1996
   43  (viii) ATTORNEY/AGENT INFORMATION:
   44          (A) NAME: COOPER, Iver P
   45          (B) REGISTRATION NUMBER: 28,005
   46          (C) REFERENCE/DOCKET NUMBER: FOWLKES=4B
   48    (ix) TELECOMMUNICATION INFORMATION:
   49          (A) TELEPHONE: (202) 628-5197
   50          (B) TELEFAX: (202) 737-3528
   53 (2) INFORMATION FOR SEQ ID NO: 1:
   55     (i) SEQUENCE CHARACTERISTICS:
   56          (A) LENGTH: 33 base pairs
   57          (B) TYPE: nucleic acid
   58          (C) STRANDEDNESS: single
   59          (D) TOPOLOGY: linear
   61    (ii) MOLECULE TYPE: cDNA
   63    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
   65 GANNNKNNKN NKNNKTGGNN KNNKNNKNNK NNK                          33
   67 (2) INFORMATION FOR SEQ ID NO: 2:
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            Input Set : A:\FOWLK4B.txt
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69      (i) SEQUENCE CHARACTERISTICS:
70          (A) LENGTH: 33 base pairs
71          (B) TYPE: nucleic acid
72          (C) STRANDEDNESS: single
73          (D) TOPOLOGY: linear
75      (ii) MOLECULE TYPE: cDNA
77      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
79  NNKGANNNKN NKNNKTGGNN KNNKNNKNNK NNK                        33
81  (2) INFORMATION FOR SEQ ID NO: 3:
83      (i) SEQUENCE CHARACTERISTICS:
84          (A) LENGTH: 33 base pairs
85          (B) TYPE: nucleic acid
86          (C) STRANDEDNESS: single
87          (D) TOPOLOGY: linear
89      (ii) MOLECULE TYPE: cDNA
91      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
93  NNKNNKGANN NKNNKTGGNN KNNKNNKNNK NNK                    33
95  (2) INFORMATION FOR SEQ ID NO: 4:
97      (i) SEQUENCE CHARACTERISTICS:
98          (A) LENGTH: 33 base pairs
99          (B) TYPE: nucleic acid
100         (C) STRANDEDNESS: single
101         (D) TOPOLOGY: linear
102     (ii) MOLECULE TYPE: cDNA
104     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
106 NNKNNKNNKG ANNNKTGGNN KNNKNNKNNK NNK                    33
108 (2) INFORMATION FOR SEQ ID NO: 5:
110     (i) SEQUENCE CHARACTERISTICS:
111         (A) LENGTH: 33 base pairs
112         (B) TYPE: nucleic acid
113         (C) STRANDEDNESS: single
114         (D) TOPOLOGY: linear
116     (ii) MOLECULE TYPE: cDNA
118     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
120 NNKNNKNNKN NKGANTGGNN KNNKNNKNNK NNK                    33
122 (2) INFORMATION FOR SEQ ID NO: 6:
124     (i) SEQUENCE CHARACTERISTICS:
125         (A) LENGTH: 33 base pairs
126         (B) TYPE: nucleic acid
127         (C) STRANDEDNESS: single
128         (D) TOPOLOGY: linear
130     (ii) MOLECULE TYPE: cDNA
132     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
134 NNKNNKNNKN NKNNKTGGGA NNNKNNKNNK NNK                    33
136 (2) INFORMATION FOR SEQ ID NO: 7:
138     (i) SEQUENCE CHARACTERISTICS:
139         (A) LENGTH: 33 base pairs
140         (B) TYPE: nucleic acid
141         (C) STRANDEDNESS: single
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142          (D) TOPOLOGY: linear
143     (ii) MOLECULE TYPE: cDNA
145     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
147 NNKNNKNNKN NKNNKTGGNN KGANNNKNNK NNK                        33
150 (2) INFORMATION FOR SEQ ID NO: 8:
152     (i) SEQUENCE CHARACTERISTICS:
153          (A) LENGTH: 33 base pairs
154          (B) TYPE: nucleic acid
155          (C) STRANDEDNESS: single
156          (D) TOPOLOGY: linear
157     (ii) MOLECULE TYPE: cDNA
159     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
161 NNKNNKNNKN NKNNKTGGNN KNNKGANNNK NNK                        33
163 (2) INFORMATION FOR SEQ ID NO: 9:
165     (i) SEQUENCE CHARACTERISTICS:
166          (A) LENGTH: 33 base pairs
167          (B) TYPE: nucleic acid
168          (C) STRANDEDNESS: single
169          (D) TOPOLOGY: linear
171     (ii) MOLECULE TYPE: cDNA
173     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
175 NNKNNKNNKN NKNNKTGGNN KNNKNNKGAN NNK                        33
177 (2) INFORMATION FOR SEQ ID NO: 10:
179     (i) SEQUENCE CHARACTERISTICS:
180          (A) LENGTH: 33 base pairs
181          (B) TYPE: nucleic acid
182          (C) STRANDEDNESS: single
183          (D) TOPOLOGY: linear
184     (ii) MOLECULE TYPE: cDNA
186     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
188 NNKNNKNNKN NKNNKTGGNN KNNKNNKNNK GAN                        33
190 (2) INFORMATION FOR SEQ ID NO: 11:
192     (i) SEQUENCE CHARACTERISTICS:
193          (A) LENGTH: 10 amino acids
194          (B) TYPE: amino acid
195          (C) STRANDEDNESS: single
196          (D) TOPOLOGY: linear
197     (ii) MOLECULE TYPE: peptide
199     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
201     Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa
202     1              5                   10
204 (2) INFORMATION FOR SEQ ID NO: 12:
206     (i) SEQUENCE CHARACTERISTICS:
207          (A) LENGTH: 10 amino acids
208          (B) TYPE: amino acid
209          (C) STRANDEDNESS: single
210          (D) TOPOLOGY: linear
211     (ii) MOLECULE TYPE: peptide
213     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
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Input Set : A:\FOWLK4B.txt
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W--> 215       Xaa Xaa Xaa Xaa Tyr Leu Xaa Xaa Xaa Xaa
     216       1               5                   10
     218 (2) INFORMATION FOR SEQ ID NO: 13:
     220     (i) SEQUENCE CHARACTERISTICS:
     221         (A) LENGTH: 10 amino acids
     222         (B) TYPE: amino acid
     223         (C) STRANDEDNESS: single
     224         (D) TOPOLOGY: linear
     226     (ii) MOLECULE TYPE: peptide
     228     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
W--> 230       Xaa Xaa Xaa Pro Pro Xaa Xaa Pro Xaa Xaa
     231       1               5                   10
     233 (2) INFORMATION FOR SEQ ID NO: 14:
     235     (i) SEQUENCE CHARACTERISTICS:
     236         (A) LENGTH: 14 amino acids
     237         (B) TYPE: amino acid
     238         (C) STRANDEDNESS: single       .
     239         (D) TOPOLOGY: linear
     241     (ii) MOLECULE TYPE: peptide
     243     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
W--> 245       Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Pro Pro Xaa Pro Xaa Xaa
     246       1               5                   10
     248 (2) INFORMATION FOR SEQ ID NO: 15:
     250     (i) SEQUENCE CHARACTERISTICS:
     251         (A) LENGTH: 27 base pairs
     252         (B) TYPE: nucleic acid
     253         (C) STRANDEDNESS: single
     254         (D) TOPOLOGY: linear
     256     (ii) MOLECULE TYPE: cDNA
     258     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
     260 CTGTGCGGAT CCATGGATCG CAAGACG                             27
     262 (2) INFORMATION FOR SEQ ID NO: 16:
     264     (i) SEQUENCE CHARACTERISTICS:
     265         (A) LENGTH: 27 base pairs
     266         (B) TYPE: nucleic acid
     267         (C) STRANDEDNESS: single
     268         (D) TOPOLOGY: linear
     270     (ii) MOLECULE TYPE: cDNA
     272     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
     274 CTGTGCGAAT TCCTAGCCGC ACTTTTG                             27
     276 (2) INFORMATION FOR SEQ ID NO: 17:
     278     (i) SEQUENCE CHARACTERISTICS:
     279         (A) LENGTH: 63 base pairs
     280         (B) TYPE: nucleic acid
     281         (C) STRANDEDNESS: single
     282         (D) TOPOLOGY: linear
     284     (ii) MOLECULE TYPE: cDNA
     286     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
     288 GACTGTGCCT CGAGKNNKNN KNNKNNKNNK YYYNNKNNKN NKNNKNNKTC TAGACGTGTC 60
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        RAW SEQUENCE LISTING              DATE: 09/22/2000
        PATENT APPLICATION:  US/09/050,359A     TIME: 12:51:23

        Input Set : A:\FOWLK4B.txt
        Output Set: N:\CRF3\09222000\I050359A.raw

  290 AGT                                                        63
  292 (2) INFORMATION FOR SEQ ID NO: 18:
  294      (i) SEQUENCE CHARACTERISTICS:
  295          (A) LENGTH: 15 base pairs
  296          (B) TYPE: nucleic acid
  297          (C) STRANDEDNESS: single
  298          (D) TOPOLOGY: linear
  300     (ii) MOLECULE TYPE: cDNA
  302     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
  304 ACTGACACGT CTAGA                                           15
  306 (2) INFORMATION FOR SEQ ID NO: 19:
  308      (i) SEQUENCE CHARACTERISTICS:
  309          (A) LENGTH: 22 amino acids
  310          (B) TYPE: amino acid
  311          (C) STRANDEDNESS: single
  312          (D) TOPOLOGY: linear
  314     (ii) MOLECULE TYPE: peptide
  316     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
  318     Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Glu His Val Cys Ser
  319     1               5                  10              15
  321     Trp Gly Trp Gly Arg Cys
  322               20
  324 (2) INFORMATION FOR SEQ ID NO: 20:
  326      (i) SEQUENCE CHARACTERISTICS:
  327          (A) LENGTH: 11 amino acids
  328          (B) TYPE: amino acid
  329          (C) STRANDEDNESS: single
  330          (D) TOPOLOGY: linear
  332     (ii) MOLECULE TYPE: peptide
  334     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
  336     Pro Thr Ser Asp Leu Trp Arg Asn Leu Gly Gly
  337     1               5                  10
  339 (2) INFORMATION FOR SEQ ID NO: 21:
  341      (i) SEQUENCE CHARACTERISTICS:
  342          (A) LENGTH: 11 amino acids
  343          (B) TYPE: amino acid
  344          (C) STRANDEDNESS: single
  345          (D) TOPOLOGY: linear
  347     (ii) MOLECULE TYPE: peptide
  349     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
  351     Trp Gly Glu Thr Met Trp Asp Asn Arg Lys Val
  352     1               5                  10
  354 (2) INFORMATION FOR SEQ ID NO: 22:
  356      (i) SEQUENCE CHARACTERISTICS:
  357          (A) LENGTH: 11 amino acids
  358          (B) TYPE: amino acid
  359          (C) STRANDEDNESS: single
  360          (D) TOPOLOGY: linear
  362     (ii) MOLECULE TYPE: peptide
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VERIFICATION SUMMARY   DATE: 09/22/2000
PATENT APPLICATION: US/09/050,359A   TIME: 12:51:24

Input Set : A:\FOWLK4B.txt
Output Set: N:\CRF3\09222000\I050359A.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177